

**Report on 3 days national level workshop on “LaTeX and research methodologies” in association with ISTE organized by the Dept. of ECE, AIET held from 23<sup>rd</sup> to 25<sup>th</sup> Jan 2018.**

The 3 day national level workshop witnessed participants from various institutions along with the faculties of AIET, who are pursuing their research and who are willing to pursue research.

The inauguration ceremony held on 23<sup>rd</sup> jan 2018 was graced by the presence of Dr.Srinivas Pai, Professor, NMAMIT, Nitte, Dr.Dattatreya, Dean (planning), Dr. Praveen J, Dean (academics), Dr. D V Manjunatha, HOD, Dept of ECE, AIET.

The inaugural session started with a welcome address by Dr. Praveen J, Dean(academics), AIET. The blessings of Almighty was invoked by Ms. Shreelakshmi, student of 3<sup>rd</sup> sem ECE followed by lighting the lamp by the dignitaries.

A formal introduction of dr.Srinivas Pai was done by Prof.Shankar, Associate Prof, Dept of ECE.

Dr. D V Manjunatha, HOD, Dept. of ECE briefed about the workshop and also informed the participants willing to pursue research in the field of VLSI, video-Image processing and MEMS can chose the dept research centre.

The session followed by motivational talk by Dr.Srinivas Pai, the chief guest and the resource person for day 1.

The host of the ceremony was Prof. Pradeep Kumar, Assst. Prof., Dept of ECE. Dr. Dattatreya , dean(planning) proposed vote of thanks.

The key note address was delivered by Dr. Srinivas Pai. He highlighted the prominence of Research, the objectives and principles, motives and the characteristics of scientific research. The session continued with an overview to, Identification of research topic and problems, literature survey, data analysis.

The second session by Dr.Pai started with an overview of writing good research proposal for receiving grants and also provided information on funding agencies.

The next session was on research paper writing and publishing where Dr. Pai discussed about scientific communication, good manuscript for an international journal and the key characteristics of writing a paper and paper organization. Plagiarism, Journal Impact factor and the submission process and also delivered a brief introduction to Thesis writing.

Day 2 was a hands on session on LaTeX for documentation. Dr. Ramesh Kini, Professor, NITK, Surathkal was the resource person. Prof. Shankar B B introduced Dr.Ramesh Kini. The session started with introduction of latex, document creation using Kile software. He highlighted the usage of library function, style files, frames, tables, images, figures, mathematical equations,

matrix. Dr.KIni also briefed about preparation of presentation slides using LaTeX and provided information on Xfig and Xcircuit softwares.

The resource person for day 3 was Dr.Shashidhar Koolgudi, was introduced by Prof.pradeep Kumar and was welcomed by Dr.D V MANjunatha, HOD, dept of ECE.

Dr.Koolgudi gave a detailed explanation on statistical inference. He topics highlighted are mena, Mode, mode, variance. Standard deviation, ANOVA., correlation analysis, regression analysis, normalization and vector quantization.

The workshop concluded on a good note on identifying research interests, believing what we can do, envision createness, planning and scheduling to achieve research milestone.

#### The Valedictory Session

The day concluded with a valedictory session. Dr. D V Manjunatha, HOD, Dept. of ECE welcomed the gathering. Ms.Jyothi Pramal, conveyor, briefed the report of three days. Dr, Koolgudi, Dr.Dattatreya, Dean(planning), Dr. Praveen J, Dean(academics), Dr. D V Manjunatha, HOD, Dept of ECE, AIET honored the participants with the certificates. The participants shared their experience with regard to workshop. Vote of thanks was delivered by Ms. Sahana K A, Assistant Professor, Dept. of ECE.